

1. Record Nr.	UNINA9910965906803321
Autore	Asli Kaveh Hariri
Titolo	Applied research in hydraulics and heat flow // Kaveh Hariri Asli, PhD, and Soltan Ali Ogli Aliyev, PhD
Pubbl/distr/stampa	Toronto : , : Apple Academic Press, , [2014] ©2014
ISBN	0-429-17207-9 1-926895-82-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (377 p.)
Disciplina	532
Soggetti	Hydraulic engineering Heat - Transmission Fluid mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; CONTENTS; LIST OF ABBREVIATIONS; LIST OF SYMBOLS; PREFACE; INTRODUCTION; CHAPTER 1: MODELING FOR HEAT FLOW PROCESS; CHAPTER 2: FLUID AND FLUID MECHANICS; CHAPTER 3: TWO PHASES FLOW AND VAPOR BUBBLE; CHAPTER 4: DYNAMIC MODELING FOR HEAT AND MASS TRANSFER; CHAPTER 5: VAPOR PRESSURE AND SATURATION TEMPERATURE; CHAPTER 6: FINITE DIFFERENCE AND METHOD OF CHARACTERISTICS FOR TRANSITIONAL FLOW; CHAPTER 7: LAGRANGIAN AND EULERIAN TRANSITIONAL FLOW; CHAPTER 8: DYNAMIC MODELING FOR WATER FLOW; CHAPTER 9: MODELING FOR FLOW PROCESS CHAPTER 10: DYNAMIC MODELING FOR MASS AND MOMENTUM TRANSPORT REFERENCES AND FURTHER READING; Back Cover
Sommario/riassunto	Applied Research in Hydraulics and Heat Flow covers modern subjects of mechanical engineering such as fluid mechanics, heat transfer, and flow control in complex systems as well as new aspects related to mechanical engineering education. The chapters help to enhance the understanding of both the fundamentals of mechanical engineering and their application to the solution of problems in modern industry. The book includes the most popular applications-oriented approach to

engineering fluid mechanics and heat transfer. It offers a clear and practical presentation

---